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PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 63436

Title: Role of nucleic acid sensing in pathogenesis of type-1 diabetes

Reviewer's code: 03020714
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Doctor
Reviewer's Country/Territory: China
Author's Country/Territory: India

Manuscript submission date: 2021-01-28
Reviewer chosen by: Jin-Lei Wang
Reviewer accepted review: 2021-03-31 01:13
Reviewer performed review: 2021-04-07 15:10
Review time: 7 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

The review describes in detail the role of nucleic acids, their sensors and downstream signaling pathways involved in the pathogenesis of T1D. In addition, the novel therapeutic approaches have been proposed to treat autoimmune diseases including T1D. The review has substantial content and proposes a conceptual framework to guide future research. Furthermore, the review is well written and easy to understand. However, few clinical studies have been cited in this review and therefore the review has the potential to have carried more conviction if it had cited more clinical studies. In general, I would like to highly recommend the publication of this review.